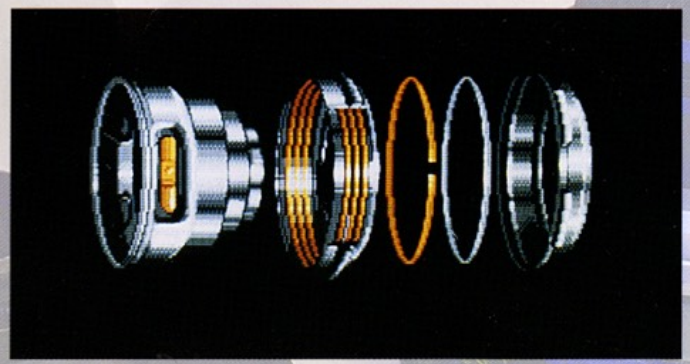
Converted Cooke Speed Panchros

Van Diemen applied themselves to COOKE SPEED PANCHRO conversion because of the enduring quality of the original lens design. No other modifications had proved satisfactory to cope with today's techniques, cameras and film stocks. Our Optics Centre, aware of the inherent vulnerability of conventional lens mechanical design as a result of servicing, repairing and reconditioning all types of film and video lenses sought out an alternative solution to the conventional thread form lens drive used in most lenses.

Van Diemen Patents:

"Had a less committed manufacturer come to me, with a replacement for the thread form, at this stage in lens mechanical design, I would not have been able to consider such a development as a serious possibility."

Jon Maxwell – Imperial College, London



The above illustration shows the wire form replacement lens drive and anti wear back focus mechanism. Wire form is a spaced coil of wire producing the male portion of a thread accurate to very fine tolerance by its extruded nature making a perfect carrier for its female counterpart the lens unit. This arrangement makes torque adjustment, to suit any operator, simple without prejudice to the requirement for no backlash in the lens movement.

The second patented feature is a clever arrangement of an angled compensator ring and its clamp ring which once set automatically absorbs the minutest amounts of wear as well as providing compensation and self readjustment in the event of shock.

Benefits of Van Diemen Conversions

- Van Diemen patented wire form lens movement.
- Integral focus and iris gears
- Multi coated noise resistant screw in optical flats. Non rotating front allows attachment of accessories to lenses.
- Full production planning allows use of standardised components and assures availability of spare parts.
- Removes all backlash and image shift so common in conventional lens movements.
- One to one macro facility available on 75, 100 and 152mm prime lenses.
- 80mm Front diameter on all lenses.
- Close focus incorporated in all lenses.
- Available in PL, BNCR, Aaton, Arriflex, BL, Cameflex and other mounts if required.
- Interchangeable scales available on request.
- Patented antiwear back focus mechanism resists shock and automatically maintains chosen back focus tolerance.
- Lens coatings designed to colour match original Cooke lenses.
- 2 years parts and labour guarantee with all Van Diemen converted lenses.
- One turn, fast macro movement.

Focus Scales

10mm		
12mm	feet	∞ 15, 10, 5, 4, 3, 2'6", 24", 21", 18", 15", 12", 9", 8", 7", 6"
14mm	M	∞ 5, 2, 1.5, 1, 0.75, 0.6, 0.5, 0.4, 0.3, 0.2
18mm	feet	∞ 15, 10, 5, 4, 3, 2'6", 24", 21", 18", 15", 12", 9", 8", 7", 6"
	M	∞ 5, 2, 1.5, 1, 0.75, 0.6, 0.5, 0.4, 0.3, 0.2
25mm	feet	∞ 30, 20, 10, 7, 5, 4, 3, 2'6", 2'3", 24", 21", 18", 15", 12", 11", 10", 9"
	M	∞ 10, 5, 3, 2, 1.5, 1, 0.75, 0.6, 0.5, 0.4, 0.3, 0.2
32mm	feet	∞ 20, 10, 7, 5, 4, 3, 2, 21", 18", 15", 12", 10", 9", 8"
	M	∞ 5, 3, 1, 0.6, 0.5, 0.4, 0.3, 0.2, 0.1
40mm	feet	∞ 30, 20, 10, 5, 4, 3, 2, 21", 18", 15", 12", 10"
	M	∞ 10, 5, 2, 1, 0.75, 0.6, 0.5, 0.4, 0.3, 0.2, 0.15
50mm	feet	∞ 30, 20, 10, 7, 5, 4, 2, 2'9", 2'6", 2'3", 2", 21", 18", 15"
	M	∞ 10, 5, 3, 2, 1.5, 1, 0.75, 0.6, 0.5, 0.4, 0.3, 0.2
75mm	feet	∞ 30, 10, 7, 5, 4, 3, 2'6", 2", 21", 18", 15", 14", 13", 12"
	M	∞ 10, 5, 3, 1.5, 1, 0.75, 0.6, 0.5, 0.4, 0.35, Macro Option
100mm	feet	∞ 30, 20, 10, 7, 5, 4, 3, 2'6", 2'3", 2", 21", 18", 17"
	M	∞ 10, 5, 3, 2, 1.5, 1.25, 1, 0.75, 0.7, 0.65, Macro Option

152mm
203mm
317mm
406mm
559mm

Specification for these conversions are available on request as they may vary according to clients specific requirements.

Cooke and Panchro are Trade Marks of Rank Taylor Hobson Limited.

Available From:

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